

Abstract

Turbine

5 The invention relates to a turbine 1, in particular a gas turbine,
which along a swivel-mounted rotationally symmetrical rotor 2 has a
compressor 3, a combustion chamber 5 and a turbine section 7 formed
of a plurality of turbine stages 15, in which each turbine stage 15
contains mutually interacting blades 17 and vanes 16 which a hot
10 working fluid 13 can flow around, with a coolant provided by the
compressor 3 for cooling the blades 16, 17, which can flow in a
channel along the rotor 2 from the compressor 3 to the turbine
section 7 and into which a liquid can be introduced for cooling. In
order to specify a turbine in which less wear occurs and in which
15 the lifetime of the components is increased, it is proposed that the
channel extends outside the rotor 2 and that the liquid can be
introduced at the end of the channel which faces the compressor 2.

See Fig. 2